

Issue Date: 25-Jun-2015

Revision Date:

Version 1

1. IDENTIFICATION

Product Identifier**Product Name** GLYCOL TEST FLUID 70**Other means of identification****SDS #**

Item # L-3560-55

Recommended use of the chemical and restrictions on use**Recommended Use** Test fluid for leaks.**Details of the supplier of the safety data sheet****Supplier Address**Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041**Emergency Telephone Number****Company Phone Number**

832-399-1000

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance colorless**Physical State** Liquid**Odor** Odorless**Classification**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Hazard Symbol

None

Signal Word

None

Precautionary Statement**Prevention**

Observe good industrial hygiene practices.

Response

Wash hands after handling.

Storage

Store away from incompatible materials.

Disposal

Disposal of waste and residues in accordance with local authority requirements

Hazard(s) not otherwise classified

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|------------------|---------|----------|
| Propylene Glycol | 57-55-6 | 1-100 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures**

| | |
|-----------------------|---|
| General Advice | Provide this SDS to medical personnel for treatment. |
| Eye Contact | Flush with water for 15 minutes. If irritation persists, see physician. |
| Skin Contact | Wash contact areas with soap and water. If skin irritation persists, call a physician. |
| Inhalation | Remove from further exposure. Call a physician if symptom persists. |
| Ingestion | Do not induce vomiting without medical advice. Seek immediate medical attention/advice. |

Most important symptoms and effects

| | |
|-----------------|------------|
| Symptoms | Not known. |
|-----------------|------------|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Unsuitable Extinguishing Media Do not use straight streams.

Specific Hazards Arising from the Chemical Not determined.

Hazardous Combustion Products None known

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions See Section 8 for Personal Protective Equipment.

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

| | |
|--------------------------------|---|
| Methods for Containment | Prevent entry into waterways, rivers, lakes, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so. Absorb or cover with dry earth, sand or other non-combustible material. |
| Methods for Clean-Up | Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See section 13 for waste disposal. |

7. HANDLING AND STORAGE

Precautions for safe handling

| | |
|--------------------------------|--|
| Advice on Safe Handling | Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Handle in accordance with good industrial hygiene and safety practice. |
|--------------------------------|--|

Conditions for safe storage, including any incompatibilities

| | |
|-------------------------------|---|
| Storage Conditions | Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store in open or unlabeled containers. Storage temperature > 40°F. |
| Incompatible Materials | NO materials to be especially mentioned. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|-----------------------------------|--|
| <u>Exposure Guidelines</u> | No exposure limits noted for ingredient(s) |
|-----------------------------------|--|

| | |
|--|--|
| <u>Appropriate engineering controls</u> | Maintain eye wash fountain and quick-drench facilities in work area. |
|--|--|

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------------|---|
| Eye/Face Protection | If contact is likely, safety glasses with side shields are recommended. |
| Skin and Body Protection | Wear suitable protective clothing and chemical resistant gloves. |
| Respiratory Protection | Ensure adequate ventilation, especially in confined areas. |
| General Hygiene Considerations | General industrial hygiene practice. If needed, take first aid action shown on section 4 of this SDS. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|-----------|-----------------------|----------------|
| Physical State | Liquid | Odor | Odorless |
| Appearance | Clear | Odor Threshold | Not determined |
| Color | Colorless | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-----------------------------|------------------------|-------------------------|
| pH | Not applicable. | |
| Melting Point | Not determined | |
| Freezing Point | -60 °C / -76 °F | |
| Boiling Point/Boiling Range | 187.35 °C / 369.23 °F | |
| Flash Point | 98.85 °C / 209.93 °F | |
| Upper Explosion Limit | 12.6 % (V) | |
| Lower Exposion Limits | 2.6 % (V) | |
| Flammability (Solid, Gas) | Not flammable | |
| Vapor Presssure | 01 kPa @ 20 °C (68 °F) | |
| Relative Vapor Density | 2.62 | (Air=1) |

| | | |
|------------------------------|--------------------|-----------------|
| Specific Gravity | 1.03 – 1.05 | (1=Water) |
| Water Solubility | Completely soluble | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | n-octanol/water |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Dynamic Viscosity | Not determined | |
| VOC Content (%) | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity Not reactive under normal conditions.

Chemical Stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Conditions to Avoid Incompatible Materials.

Incompatible Materials Strong acids, alkalis, certain oxidizing agents.

Hazardous Decomposition Products Thermal decomposition and combustion are not expected to occur except under extreme conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact May causes slightly eye irritation.

Skin Contact May cause slightly skin irritation.

Inhalation Not expected to be an inhalation hazard under normal conditions of intended use.

Ingestion May cause discomfort if swallowed.

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------|----------------------|--|------------------------------|
| Propylene Glycol 57-55-6 | 22,000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) > 16 mL/kg (Rat) | > 317042 mg/ kg (Rabbit) 2hr |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product is not expected to be carcinogen by IARC, ACGIH, TP, or OSHA

Numerical measures of toxicity Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environment hazard cannot be excluded in the event of unprofessional handling or Disposal.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|-----------------------------|---|--|---|-----------|
| Propylene Glycol 57-55-6 | EC50 (Selenastrum capricornutum (green algae)): 24,200 mg/l End point: Growth rate Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 | LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 | NOEC (Pseudomonas putida): > 20,000 mg/l End point: Growth rate Exposure time: 18 h | |

Persistence/Degradability

Ready biodegradable.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Empty remaining contents. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. Dispose of as unused product.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated.

15. REGULATORY INFORMATION

International Inventories

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories

This material, as supplied, does not contain any substances subject to the requirements of SARA Sections 311/312 (40 CFR 370)

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Sec112 of the Clean Air Act

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state Right-to-Know regulations.

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| Propylene Glycol 57-55-6 | X | X | X |

16. OTHER INFORMATION**NFPA****Health Hazards**

0

Flammability

1

Instability

0

Special Hazards

Not determined

HMIS**Health Hazards**

0

Flammability

1

Physical Hazards

0

Personal Protection

Not determined

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Revision Note:

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet